

In the Amendment filed March 9, 2005, each of the independent claims was amended to recite the feature of the present invention in which a voltage regulator (*e.g.*, regulator 46) is powered by a source of DC voltage (*e.g.*, voltage source 22). A voltage regulator is a well-known electronic component that is designed to provide a fixed voltage output. To function properly, the input voltage to a voltage regulator is maintained at a level higher than the intended output voltage. Figure 2 of the present application, for example, depicts how a voltage of 4.5 volts, supplied by voltage source 22 (Figure 1), is applied to voltage regulator 46, which outputs a voltage of 3.3 volts, which is then supplied to each of low noise amplifiers 14a and 14b.

Paragraph 0025 of the present application also expressly states:

Figure 2 also shows a voltage regulator 46, which provides a regulated DC voltage signal to the two LNAs 14a, 14b, based on the applied voltage signal from receiver 20. Each LNA 14a, 14b is preferably powered by this regulated voltage.

Thus, both the drawings and specification of the present application clearly describe that a regulator of the claimed antenna connection detection system is powered by the DC voltage source. As such, the §112 first paragraph rejection is improper and should be withdrawn.

During the telephone interview, the Examiner pointed out that claim 1 now also recites “first” and “second” voltage signals. As explained during the telephone interview, and with reference to Figure 2, the first voltage signal is that supplied by DC voltage source 22 and the second voltage signal is a signal that might be detected at RF out port 15b. The first and second voltage signals might be somewhat different in view of a voltage drop across diode pair 41.

Finally, although the undersigned stated that the Applicants would be willing to discuss alternative claim language to address the §112, second paragraph rejections asserted in the Office

action, Applicants respectfully submit that the claims, in their present form, comply fully with the requirements of §112, and that no further amendment is necessary.

More specifically, paragraph 4 of the Office Action asserts that the term "being powered by" in claims 1 and 18 is a relative term which renders the claim indefinite. Applicants respectfully traverse this conclusion. Figures 2 and 4 of the present application, as discussed above, clearly show that regulator 46 is being powered by the voltage supplied by source 22. It is submitted that the language recited in the claims would be well-understood by those skilled in the art of electronics.

In view of the foregoing all the claims in this application are believed to be in condition for allowance. Should the Examiner have any questions or determine that any further action is desirable to place this application in even better condition for issue, the Examiner is encouraged to telephone applicants' undersigned representative at the number listed below.

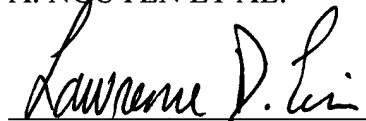
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Respectfully submitted,

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